

Claims

[c1] What is claimed is:

- 1.A portable computer having peripheral devices, comprising:
 - a housing having a recess, a first connection interface being installed in the recess;
 - a power supply installed in the housing for providing electrical power to the portable computer;
 - a display panel installed on the housing for displaying data;
 - a keyboard installed on the housing for inputting data;
 - a pointing device control unit installed on the housing for controlling the movement of a cursor displayed on the display panel; and
 - a cassette detachably installed in the recess, the cassette comprising:
 - a case;
 - a second connection interface installed on the case for electrically connecting to the first connection interface;
 - a motherboard connected to the second connection interface;
 - a central processing unit installed on the motherboard for processing data and programs;

a chipset installed on the motherboard for communicating between the central processing unit and the peripheral devices of the portable computer; and
a memory installed on the motherboard for storing data and programs.

- [c2] 2.The portable computer of claim 1 wherein the chipset comprises a north bridge chip electrically connected to the central processing unit, and a south bridge chip electrically connected to the north bridge chip.
- [c3] 3.The portable computer of claim 2 wherein the chipset further comprises a plotting chip electrically connected to the north bridge chip.
- [c4] 4.The portable computer of claim 2 wherein the chipset further comprises an audio codec chip and a super input/output (super I/O) chip electrically connected to the south bridge chip.
- [c5] 5.The portable computer of claim 4 wherein the cassette further comprises a read only memory (ROM) electrically connected to the super input/output chip, the read only memory storing a basic input/output system (BIOS).
- [c6] 6.The portable computer of claim 1 wherein the cassette further comprises a hard disk installed in the case.

- [c7] 7.The portable computer of claim 1 further comprising a hard disk installed in the housing.
- [c8] 8.The portable computer of claim 1 wherein the second connection interface on the case and the first connection interface in the recess comprise a PCI interface, an IDE interface, and a USB interface.
- [c9] 9.The portable computer of claim 1 wherein the second connection interface on the case and the first connection interface in the recess further comprise an audio connection port.
- [c10] 10.The portable computer of claim 1 wherein the second connection interface on the case and the first connection interface in the recess further comprise a connection port for input/output devices.
- [c11] 11.The portable computer of claim 1 wherein the second connection interface on the case and the first connection interface in the recess further comprise a DIV interface.
- [c12] 12.The portable computer of claim 1 wherein the second connection interface on the case and the first connection interface in the recess further comprise a VGA interface.
- [c13] 13.The portable computer of claim 1 wherein the second connection interface on the case and the first connection

interface in the recess further comprise a connection port for power supply.

- [c14] 14. The portable computer of claim 1 wherein the pointing device control unit comprises a touch pad, a track ball, or a joystick.
- [c15] 15. A portable computer comprising:
 - a housing having a recess, a first connection interface being installed in the recess;
 - a power supply for providing electrical power to the portable computer;
 - a display panel installed on the housing for displaying data;
 - a keyboard installed on the housing for inputting data;
 - a pointing device control unit installed on the housing for controlling the movement of a cursor on the display panel; and
 - a cassette detachably installed in the recess comprising:
 - a case;
 - a second connection interface installed on the case for electrically connecting to the first connection interface;
 - and
 - a central processing unit installed in the case for processing data and programs.
- [c16] 16. The portable computer of claim 15 further comprising

a motherboard installed in the case, the central processing unit being installed on the mother board.

- [c17] 17.The portable computer of claim 15 further comprising a chipset installed in the case for communicating between the central processing unit and peripheral devices of the portable computer.
- [c18] 18.The portable computer of claim 15 further comprising a memory installed in the case for storing data and programs.
- [c19] 19.The portable computer of claim 15 wherein the second connection interface on the case and the first connection interface in the recess further comprise a connection port for power supply, a display device connection interface, and a peripheral device connection interface.